

LITTLE COLORADO RIVER BASIN

09400530 COW CANYON NEAR WINSLOW, AZ

LOCATION.--Lat 35°06'00", long 110°59'15", in SW¹/₄ sec.29, T.20 N., R.13 E., Coconino County, Hydrologic Unit 15020008, at U.S. Highway 66, 17 mi west of Winslow.

DRAINAGE AREA.--7.53 mi², of which 3.96 mi² is noncontributing.

Annual peak discharges

Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes	Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes
1962	00-00-62	90	ES	1970	00-00-70	55	
1963	08-30-63	140		1971	08-00-71	102	
1964	07-30-64	253		1972	07-16-72	20	
1965	00-00-65	0		1973	10-00-72	61	
1966	00-00-66	0.1	LT	1974	00-00-74	0	
1967	00-00-67	192		1975	09-18-75	8.0	
1968	00-00-68	82		1976	00-00-76	122	
1969	12-02-68	1.0	LT				

Magnitude and probability of instantaneous peak flow based on period of record 1962-76

Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2 50%	5 20%	10 10%	25 4%	50† 2%	100† 1%
64.8	129	181	257	319	387
Weighted skew	(logs) =	-0.23			
Mean	(logs) =	1.80			
Standard dev.	(logs) =	0.37			

† Reliability of values in column is uncertain, and potential errors are large.

Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
61.8	4.1	5,380	0.0	3.0	10.0	1.4	2.9

